

Actions really do speak louder than words

Erik Charrier
Staff Writer

There is an unwritten rule at Mines. Every time a distinguished figure addresses a group of Mines students, that figure is expected to spend at least one minute of that address heaping praise on the quality of Mines students. However, as the authors of a prominent game theory textbook so eloquently put it, talk is cheap, actions are a far better indication of intent and beliefs. Anyone can say good things about Mines students, so the real test is what actions are being taken by those in a position to act. That is, employers.

This year, as always, the actions of employers spoke louder than any distinguished speaker could. Career Day was sold out with both gymnasiums in the Student Recreation Center overflowing. Hundreds of recruiters, including Mines alumni, spent the entire day meeting with students and giving out more of the famous Career Day goodies. This year, Career Day was attended by over 3100 current Mines students and recent graduates. Over 175 companies, including many notables such as ExxonMobil and Lockheed Martin, were there to talk

with students and take résumés. Some of these companies even brought ten or more representatives to the career fair. It would be a fair assessment to describe it as "quite a spectacle."

But to leave the description at 'quite a spectacle' does not do Career Day justice; it is far more than a spectacle. It is the manifestation of years of hard work and a chance to feel the meaningful verdict of actions. Whereas the talk we are accustomed to is cheap, Career Day is not. According to the Career Center, the typical cost of Career Day is about \$65,000, but this is just a pittance compared to what our future employers spend. Many companies had to pay for airfares and accommodations for five or ten people in addition to losing around three days of work (not to mention all the goodies given to students). Career Center director Jean Manning-Clark estimates that by the time it is all said and done, some of

the companies are spending well in excess of \$10,000 on career day.

Though the verdict of action mirrors the words we are used to hearing, it has a far greater impact.

The fact that many of the best companies in the world thought that it was worth tens of thousands of dollars to travel attend Career Day and get a shot at recruiting Mines

students is a testament to the value of a Mines degree. And let us not forget that the high starting salaries offered by these companies speak volumes as well.



PATRICK BESADA / OREDIGGER

Scaling the elusive [Leadership] Summit

Serena Stickney
Deputy Director of CSM
Alumni Association

GOLDEN, Colo., Sept. 20, 2010 – Registration has officially opened for the October 2 Mines Leadership Summit, a one-day event that will host 2 internationally recognized keynotes, 15 breakout

sessions, and three scholarship opportunities for attending students.

First announced in June, this year's Summit will focus on four core competencies: vision, planning, communication, and team building. "These core competencies ... will help sculpt this Leadership Summit into a unique

and beneficial experience," said Alec Westerman, President of the Associated Students of Colorado School of Mines.

"I believe that the four core competencies ... will act as a springboard for the following years as the program evolves to develop student leaders on campus," added recent graduate Joshua Lau.

Participants will first hear from Craig Valentine, the 1999 World Champion of Public Speaking for Toastmasters International and a Distinguished Alumnus from John Hopkins University. Mr. Valentine will lead a session on utilizing vision to inspire organizations toward exceptional results.

"One can have excellent vision," said Lau, "but if he or she cannot communicate that vision to others, the effectiveness and the vision will ultimately falter and have a high chance of failure."

Later in the morning, attendees will engage in a plenary dialogue with Mr. Robert Waterman, co-author of the internationally acclaimed leadership study "In Search of Excellence", and Distinguished Alumnus of Colorado School of Mines. "The old school philosophy was that leaders, the people in charge, were the smart ones, the ones who told people down the line what to do," said Waterman. Instead, today's leaders must learn to "give up 'control' in the old sense [and] get control over what matters ... results," he added. "You invest heavily in education, pay based on skill rather than seniority, [and] try to erase the distinction between workers and managers."

These experiences and case studies are essential

to the shared learning experience of the Summit. "What you get from the Summit is your own introduction to some of the concepts that others think are important," explained Waterman. "You get a chance to learn a few of those concepts, weigh them against your own experience, [and] use them as a basis for further learning and study."

Breakout sessions have been spaced through the morning and afternoon, where participants can select from 15 speakers and topics. Ranging from fundamental knowledge to advanced application, these breakout sessions have been designed to engage every level of leader.

"It is my hope that through their experience in this Summit, Mines students will be primed to look for and embrace leadership opportunities at all stages in their careers," said Mines President M.W. "Bill" Scoggins. "Developing these skills is truly a lifelong process, and I hope students walk away from the Summit with a sense that they are just beginning a long journey of building these skills."

Toward the end of the day, a drawing will be held for three \$500 student scholarships, to be used for personal and professional development in leadership. Further details on scholarships, speakers and sessions can be found online at leadership.mines.edu. The 2010 Summit is sponsored by The Williams Companies, Inc., MWH Global, Talisman Energy, and BP.



COURTESY ZACH AMAN

President Scoggins discusses the characteristics of a successful leader at the 2009 Leadership Summit

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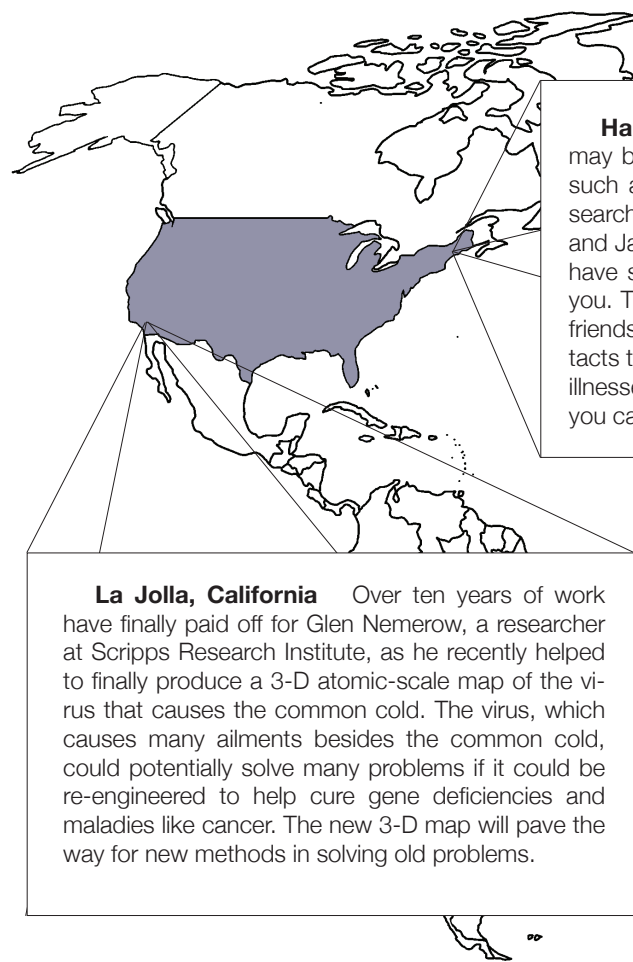
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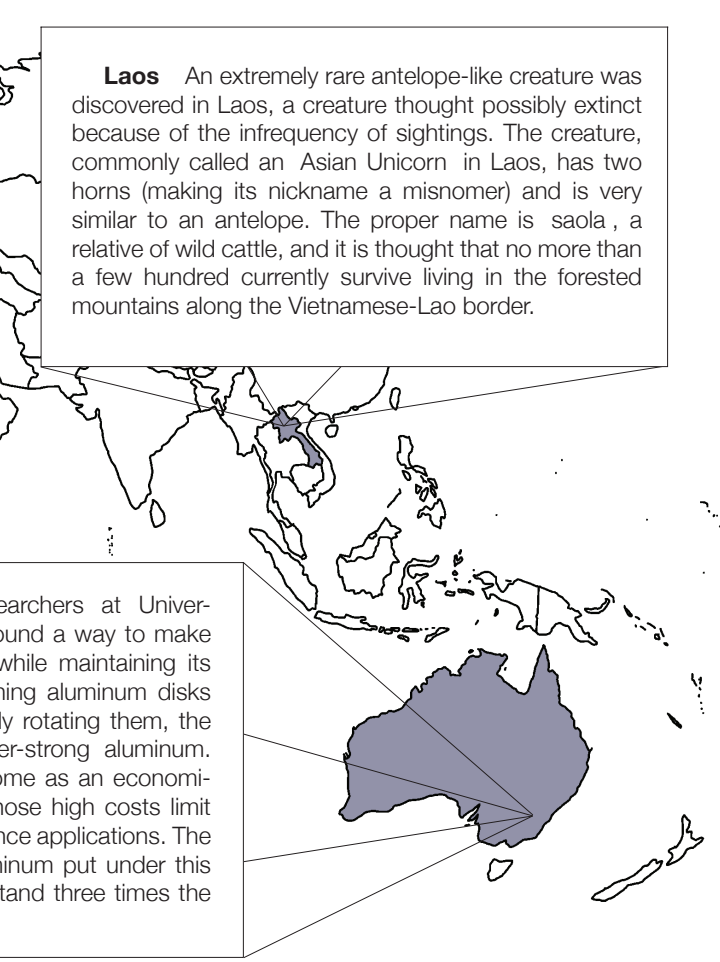
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Scientific discoveries this week

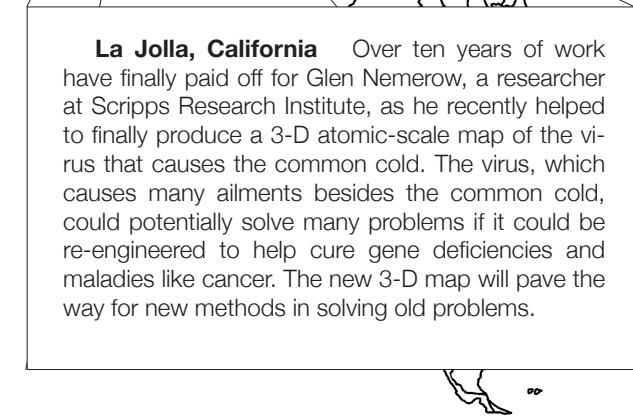
Joshua Kleitsch, Staff Writer



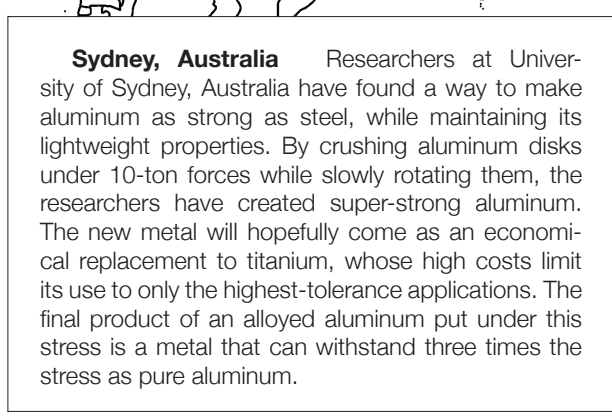
Harvard, Massachusetts Social networking sites may be able to help anticipate the spread of illnesses such as the H1N1 virus. The idea behind this, as researchers Nicholas Christakis of Harvard University and James Fowler of University of California, San Diego have said, is that your friends have more friends than you. The person you call a friend is likely to have more friends than you, and consequently will have more contacts than you. By following the infectious diseases and illnesses, these more well-connected people contract, you can accurately predict who will get the illness next.



Laos An extremely rare antelope-like creature was discovered in Laos, a creature thought possibly extinct because of the infrequency of sightings. The creature, commonly called an Asian Unicorn in Laos, has two horns (making its nickname a misnomer) and is very similar to an antelope. The proper name is saola, a relative of wild cattle, and it is thought that no more than a few hundred currently survive living in the forested mountains along the Vietnamese-Lao border.



La Jolla, California Over ten years of work have finally paid off for Glen Nemerow, a researcher at Scripps Research Institute, as he recently helped to finally produce a 3-D atomic-scale map of the virus that causes the common cold. The virus, which causes many ailments besides the common cold, could potentially solve many problems if it could be re-engineered to help cure gene deficiencies and maladies like cancer. The new 3-D map will pave the way for new methods in solving old problems.



Sydney, Australia Researchers at University of Sydney, Australia have found a way to make aluminum as strong as steel, while maintaining its lightweight properties. By crushing aluminum disks under 10-ton forces while slowly rotating them, the researchers have created super-strong aluminum. The new metal will hopefully come as an economical replacement to titanium, whose high costs limit its use to only the highest-tolerance applications. The final product of an alloyed aluminum put under this stress is a metal that can withstand three times the stress as pure aluminum.

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Headlines from around the world

Joshua Kleitsch, Staff Writer

A Venezuelan man and his wife are being investigated for allegedly attempting to **pass classified US nuclear secrets** to an agent they believed to belong to the Venezuelan government. Leonardo Mascheroni, 75, a naturalized U.S. citizen, will face up to life in prison if convicted.

Little Italy in New York City is experiencing a taste of old-world Italian fun, featuring the Feast of San Gerrano street fair and its **traditional favorite, the cannoli-eating contest**. Rather than athletes competing for cash prizes, the Feast of San Gerrano gives free food to anyone who wants to eat, and the only prize is a full stomach.

Tornado warnings in NYC preceded a devastating storm Thursday evening, where winds were reported in excess of 70 mph. With at least one dead and cars and homes damaged or crushed, many are saying that it was a tornado. Authorities have confirmed that two did touch down.

Police in London, UK arrested six men on **suspicion of terrorism Friday before Pope Benedict XVI's visit** scheduled for Friday. Scotland Yard, London's Metropolitan police service, apprehended the men based on suspicious acts of preparation, instigation, and performance of terrorism. They were later released without charge.

In an effort to disrupt **Afghanistan's parliamentary elections Saturday**, the Taliban kidnapped two candidates and several poll workers Friday before the elections. Staffan de Mistura, the chief United Nations envoy in Afghani-

stan, said The afghan elections will be a violent day, probably the most violent day of the year.

Seeking to draw more students in their doors, private colleges across the nation are resorting to an old car-salesmen trick - **raising the sticker price of tuition then offering a special discount** to every student who crosses the threshold. The College Board recently issued a report that indicated private colleges are now only receiving 67% of advertised tuition, down from 72% eight years ago.

Meg Whitman, the former executive for eBay, is defending the \$119 million contribution she made to her own campaign for governor. Running for governor of California, Whitman has set a **new record in personal campaign spending**, and has spent more than any other American politician in history.

While **Sarah Palin draws many a hoot and holler** for her

speeches, a recent poll by CBS News/New York Times found that 46% of those polled viewed her unfavorably. The poll also showed that only 19% supported the Tea Party movement.

Reggie Bush relinquished his Heisman trophy after inquiries into his past with University of Southern California have raised questions that he may have accepted cash gifts from sports agents. Bush maintains that this is not an admission of guilt, but rather it is a show of respect to others who have won the trophy.

With 28 million viewers, the **Packers-Eagles game on Sunday became the most-watched** week-1 Sunday football game ever. The NFL continues to buck the downward trend of TV viewership by posting the most-watched kickoff weekend in the past 23 years, averaging 19.5 million viewers per game.



Local News

The CSM Cross Country team competed at the Colorado College Invite in Colorado Springs this past weekend. Both the Mens and Womens teams picked up first-place team finishes. The Women's team finished 1-2-3 with Marie Patton posting a time of 23:04 to win her first collegiate race.

The #3 ranked Colorado School of Mines Mens Soccer team picked up its fourth straight win opening up RMAC play by defeating undefeated Mesa State with a score of 5-1 on Friday afternoon at the CSM Soccer Stadium. The next Mens soccer game is scheduled for Wednesday, September 22nd at 4:00 PM.

The Oredigger volleyball team posted their 4th straight win Saturday night against Western State. They will travel for two weeks, returning to play Notre Dame de Namur on October 5th at 7:00 PM.

The CSM Women's Soccer team posted a 2-1 win against University of Colorado, Colorado Springs on Sunday.

A/V club fills newly created gap in expertise

Nick Matthews
Staff Writer

It's not very often that a club at Mines has the potential to attract such a diverse set of interests, both artistic and technical. The Mines A/V Club offers just this opportunity. Just in its beginning stages, Dr. Christian Shorey serves as the brains behind the club and explains just what an audio/visual club really entails.

Dr. Shorey, an Earth and Environmental Systems lecturer, started creating audio podcasts with more in-depth versions of his lectures and covers more material than a 50 minute class period would allow. Shorey then expanded into video podcasts, and the idea for the club was born.

As the name implies, the club deals with the essentials of audio and visual productions. Though, as Dr. Shorey said, "We're thinking about a name change because some kids are saying A/V Club sounds like high school 'nerdism.'" It is Mines after all, but given the plan to break the club into three distinct sub-groups, a name change may be suitable. The three branches - Educational Outreach, Camera Equipment Construction, and Independent Film Group - will suit a variety of members with various skills.

Dr. Shorey's interest, given his teaching background, was in the first branch. Presently, his educational videos take a lot of manpower to produce. Making

an audio recording is one thing, but creating a full video podcast requires planning, filming and editing and is much more involved. "My reason for starting this was [first], the educational outreach," Dr. Shorey explained, and with a grin, added, "so, I would love to get help, of course. You can call this the Dr. Shorey slave labor group..."

High quality audio and visual equipment is not cheap, however. And, with the help of a grant from the Mines Technology Fee, the club was able to obtain a Canon XL2 Professional Video Camera. But the camera itself is only part of the process as there is a fair amount of other equipment required to make a professional grade video. Dr. Shorey explained that further accessories such as cranes, dollies, hand stabilizers, and lights are just a few of the many pieces in audio and video production.

Once the club is officially set up more Tech Fee grants will be submitted to purchase the necessary materials to build equipment and buy what cannot be built. This is where the Camera Equipment Construction comes in. This aspect allows the student to put their skills to work to create the parts necessary for the filming.

The last component is the Independent Film aspect. Dr. Shorey stated that numerous students have contacted him since the inception of the club and said they had similar interests in making

videos but were not sure how to make them a reality. With the Independent Film Club falling under the umbrella of the larger A/V Club, they would be able to complete their own projects using professional grade equipment made available through this club. While this bodes well for students interested in video as a creative outlet, that is not the only advantage according to Dr. Shorey. "There's also a [Public Relations] benefit for the school. For one, we're showing that we've got a 21st century look; two, we can show everybody in the world where we live; and third is the education."

Dr. Shorey is confident that the interest is there and given time, both students and faculty will jump on board. "What I've been doing is trying to expand the classroom," he explained, "that's what iTunes U is about. Lets expand the classroom. We can bring multimedia into it. Every day before class I get in there a little early and start a little five minute video sequence, movie, of something I've filmed. And it's been interesting. More and more students are showing up early to class. And they ask questions like 'What was that?'" and it starts a discussion."

The club itself will be organized like every other official campus organization. There will be dues and scheduled meetings as time progresses.

For more information, please contact Dr. Christian Shorey at cshorey@mines.edu

Back to the future

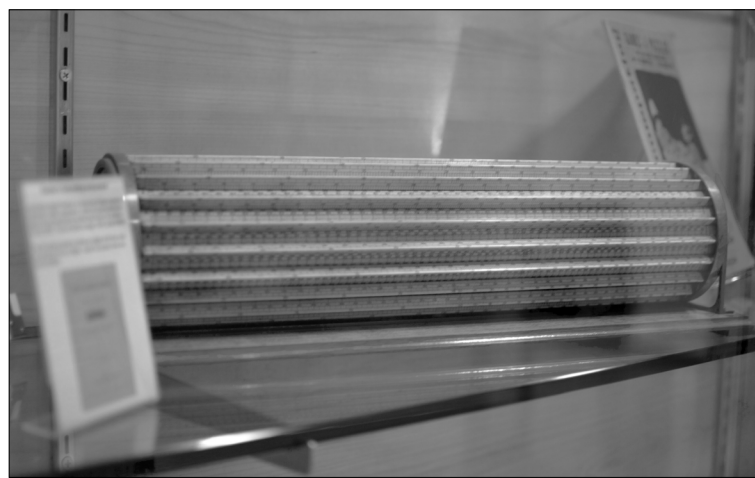
Alan Nguyen
Staff Writer

Can you imagine a world without computers? We are coming to a point in time, or have even surpassed it, where some of us may not know what to do with ourselves without a computer! Technology has advanced so much in so little time that there have been emerging students who have never heard of a floppy disk. A solution to this has managed to pop out of the woodwork in the past year or so. Somewhere between Einstein's and the computer commons front desk sits a little museum of gadgets and gizmos for the world to gaze upon.

Looking through the glass is like traveling through time. In fact, according to Ron Cosseboom, the morning shift supervisor behind the front desk, the museum is there to give a brief historical view of computing. He explains what it means to students, "[It's there] to see how things are always changing and that they may take some of

the visuals for creating newer and better products." So learning from the past to better the future is true, in this case anyway. The display contains everything from a small abacus to an iMac G4. Ron points out that his favorite apparatus is the automatic slide rule. Most, if not all, of the items revolve around computing. We are, after all, in the computing center.

It is pretty obvious that there is no end in sight for the advancement of technology, unless of course 2012 really does bring the end of the Earth. But hopefully, if that is the case, someone, somewhere will invent a new device to save us all. Regardless, as more technology comes out, the museum will expand. According to Ron, as time flies by, "We'll be adding and changing out (items) as we move forward." Of course, if you have some piece of history that you'd like to share, donations are accepted, stated Ron. If you have yet to see the wonders of the past, take the time to stop and smell the evolution of technology!



ALAN NGUYEN / OREDIGGER

Geek of the Week

...Andrew Bosela, Senior: Petroleum Engineering, Geology minor

Joshua Kleitsch
Staff Writer

Here at Mines, we have many quirky, eccentric, and just downright geeky people. We have computer geeks, rock geeks, physics geeks, and the occasional music geek. Some have speculated that there may even be petroleum geeks, only to have the thought dismissed out of hand. An Alaskan native, Andrew Bosela is just such a geek, with a passion for energy. Here's a mountain man for ya'.

Do you consider yourself a geek?

I've always been torn between the terminologies of 'nerd' and 'geek,' but I guess I would consider myself a geek, at least to the outside world. One possible difference between geeks and nerds is that nerds like Star Wars and geeks like Star Trek, but there can be some cross over.

What's your favorite pastime?

My favorite pastime would have to be hanging out with friends, reading a book, playing music, and wood carving, along with many other things. I also love dancing. I do American-style Irish clogging, swing dancing, contra dancing, waltzes, and I used to take tap, but I haven't done tap in many years. I have a lot of hobbies I do for fun.

What kinds of things have you carved out of wood?

Fish, bears, castles, human faces, pretty much anything you can think of, I would carve it. I think I've even carved an angel.

Why did you choose petroleum?

It was the last thing I thought I would choose when I came to this school, but I'm really interested in geothermal energy, and I talked to a few Icelandic gentlemen that said if I wanted to do anything with geothermal engineering, I would need to be a petroleum major, so here I am. I also really like rocks.

Are you for Star Wars or Star Trek?

Star Trek. My favorite series would have to be the original series with Kirk and Mr. Spock.

What made you come to Mines?

Number one, I like the application process; number two, they have a really good financial aid package; number three, they have mountains and snow; and number four, the people I met when I visited campus were really my type of people. One guy I talked to just started talking about random scientific stuff, and I realized I would fit in here really well.

If you could have any super power, what would it be?

To fly. That way, I wouldn't be lim-

ited to ground travel, and I could just take off and go places, land for some food, and keep going. I could circumnavigate the globe.

If you could change any one thing about Mines, what would it be?

Besides the ratio, I would have more on-campus housing, just to have more people around, a closer community. More school spirit. The only time we really act like a school is over E-Days. Just that excitement, the community.

If you could make a new class here at Mines, what would it be?

I would want to make something completely random, completely opposite to science. Probably something like hairstyle engineering, totally not like Mines at all. I would never take this class, though. Another fun one would be advanced logging techniques, like how to take down a tree in one strike, that would be great.



JOSHUA KLEITSCH / OREDIGGER

The stars shine brightly above Mines

John Bristow
Staff Writer

The night sky is one of the most amazing sights to behold, and we on Earth have an advantage over all of our terrestrial neighbors. Many billions of years ago, a fateful encounter with another planetoid stripped the primordial Earth of most of its crust along with some of its mantle. It would have been a truly enthralling sight, provided you weren't actually on earth.

Back to the present, we can still see the result of this impact as it orbits the Earth. This natural satellite is, of course, the Moon. Since the days of antiquity, the Moon has fascinated humanity to the point that on July 20, 1969, we finally took our first steps on our nearest celestial body. Since this majestic body completes one full visible orbit of the Earth every 29.5 days, it can be used for astronomers to plan out the best star gazing nights (preferentially when the Moon is new so that there is no light obstruction in the sky).

At least for this time, instead of shunning the Moon, we will enjoy it as it approaches its full-

est around the September 22. If you look closely (and it is not hard) you will notice darker spots across the surface. These spots are the resultant of gigantic impacts that peppered the surface of the Moon during the period of heavy bombardment within the solar system. After the crust was weakened, lava filled them in, creating the darker material that we see today. Most of the Apollo landings took place on or nearby to these bodies. Of course, the most significant was when Apollo 11 landed in Mare Tranquillitatis (Sea of Tranquility), which you can see to the right side of the Moon along the equator.

As more of a tool to astronomers, the Moon follows the same path across the sky as the other planets, so if you get used to its path you can generally find the other planets easily. If you would like to get a great chance to see this ethereal body, the Astronomy club is planning on a star party this upcoming weekend. For more information contact Chris Pederson at cpederso@mines.edu.

Peace and may the stars shine brightly in your sky!

Are you up to the Cru Challenge?

Joshua Kleitsch
Staff Writer

While most of the Mines campus was fast asleep Thursday night, one jolly band of hardy folk were making their way up the side of one of Colorado's famous 14ers, Quandary Peak. Known as the Cru Challenge, this event takes place once a year about four weeks into the fall semester, and it attracts a unique group of people. The Cru Challenge consists of 40-50 Mines students driving up to one 14er late at night, climbing to

The real challenge, however, comes on Friday. While many people can summit a 14er, even in the middle of the night, how many can make it through all of their Friday classes without falling asleep in class or napping in the middle of the day?

its summit, and descending back to Golden by about 7:00 AM Friday to enjoy some hot, fresh pancakes. The real challenge, however, comes on Friday. While many people can summit a 14er, even in the middle of the night, how many can make it through all of their Friday classes without falling asleep in class or napping in the middle of the day? This challenge is not for the faint of heart. Why, you may ask, would anyone subject themselves to such trauma? "For the free pancakes in the morning, to build self confidence, and to meet new people and make some awesome friends," said Ben Kaiser, one of the participants in this year's Cru Challenge. Campus Crusade for Christ organizes this event to provide an escape from the monotony of

school, and to foster growth in our school community. "We love Jesus, and we love doing crazy, fun things together," commented James Brown, the organizer of this year's event. Spending six hours hiking up a rocky mountain-face in total darkness really brings people together, it would seem.

Finn Kristopher Hovem, a freshman, said, "I really enjoyed it, it was a fun experience being with people." While many parts of the journey were grueling, such as the last 1000 feet of elevation gain, there were many good things to remember. Kai-ser commented that, "My favorite part of the challenge was being in the wilderness. It is so awe inspiring and it makes me realize how small I actually am." Finn added, "My favorite part was nearing the summit, when a bunch of

us started yelling 'Pancakes!' It was what really kept us going." Cheering each other on with the thought of fresh, hot pancakes awaiting the return was a great motivator to keep pressing on.

Some may question the sanity of an action that would drive young men to cheer 'Pancakes!' on the summit of a 14,270 ft. peak at 2:35 AM, but the simple fact is that this merry crew, this happy Cru, brought people together to conquer a mountain peak, and still make it to class.

Mines embraces the mysteries of Martian tectonics

John Bristow
Staff Writer

Earth, Energy, and the Environment, these are the main goals of the Colorado School of Mines. So, what was I doing sitting in a small office in the Green Center talking about Mars with one of the school's leading planetary scientists? Jeff Andrews-Hanna is one of the leading experts in the fields of Martian tectonics and I found myself there to pick his mind about his current research into the formation of what could possibly be the largest impact crater in the observable solar system.

One of the biggest mysteries about our red neighbor is that it has a large elevation dichotomy, the Northern plains have significantly lower elevation than the Southern mountains and if you look at an elevation map of the planet, the change happens over a very short distance. Of course, such an interesting feature has been the focus of a great many theories since it was discovered, and as in inevitable, a great deal of controversy. The idea of a large impact was thrown out near the beginning. Andrews-Hanna states, "The idea [of a large impact] has been rejected, but now based on work that I have done as well as other, it is favored."

"I never believed in the impact hypothesis," says a smiling Andrews-Hanna, who is leading the current investigation into just the opposite. He had been working on a project where he removed the Tharsis Montes from the picture when he noticed that the dichotomy seemed to form an elliptical crater. He says "I didn't touch it for about a week, the idea was cool, though so I found myself looking back." What he found surprised him and he began work on figuring out what could have created this big of an impact. "It was believed that the Hellas crater was the largest an impact could get without breaking the crust too much, still nobody had really looked into that." Luckily for the future of Martian tectonics, another lab was working on the same problem and they began to synthesize their data and models to come up with a viable new hypothesis.

When asked about what made the study of Mars so important to the sciences here on Earth, Andrews-Hanna responded that "[Mars] occupies a unique niche in the solar system, Mars is in the middle ground, it is more active than the Moon and Mercury, but less active than Venus and the Earth. By looking at Mars we can understand what happened when the solar system was young, but still understand how more mod-

ern processes affect a planet," which in a period of planetary change may help us understand more about our own planet. "I try to identify those fundamental questions that pertain to all the planets," and Andrews-Hanna notes with Mars, this is easy with the new data that is coming from the planet. "In the last few years, we have had a huge increase in the data quality from Mars and we are finding new cool things." These findings will continue to be a source of new research for the school and a step towards embodying space into the objectives of the school.

Andrews-Hanna concludes, "Now we are [in Martian theory] where we were in the 70's with the Earth, many ideas are being tested and... luckily, all of the data is paid for by taxpayers and is available to everyone, it is very accessible in that sense." The revolution in space sciences is about to take off, hopefully with Andrews-Hanna in the forefront. Any advice for how to advance one's knowledge and potential in space sciences was given in his back story, "I found space interesting, I took my first class on astronomy and was hooked. I found the Earth was more beautiful than I had thought and soon realized the other [planets] were beautiful as well."



PHOTO COURTESY JEFF ANDREWS-HANNA

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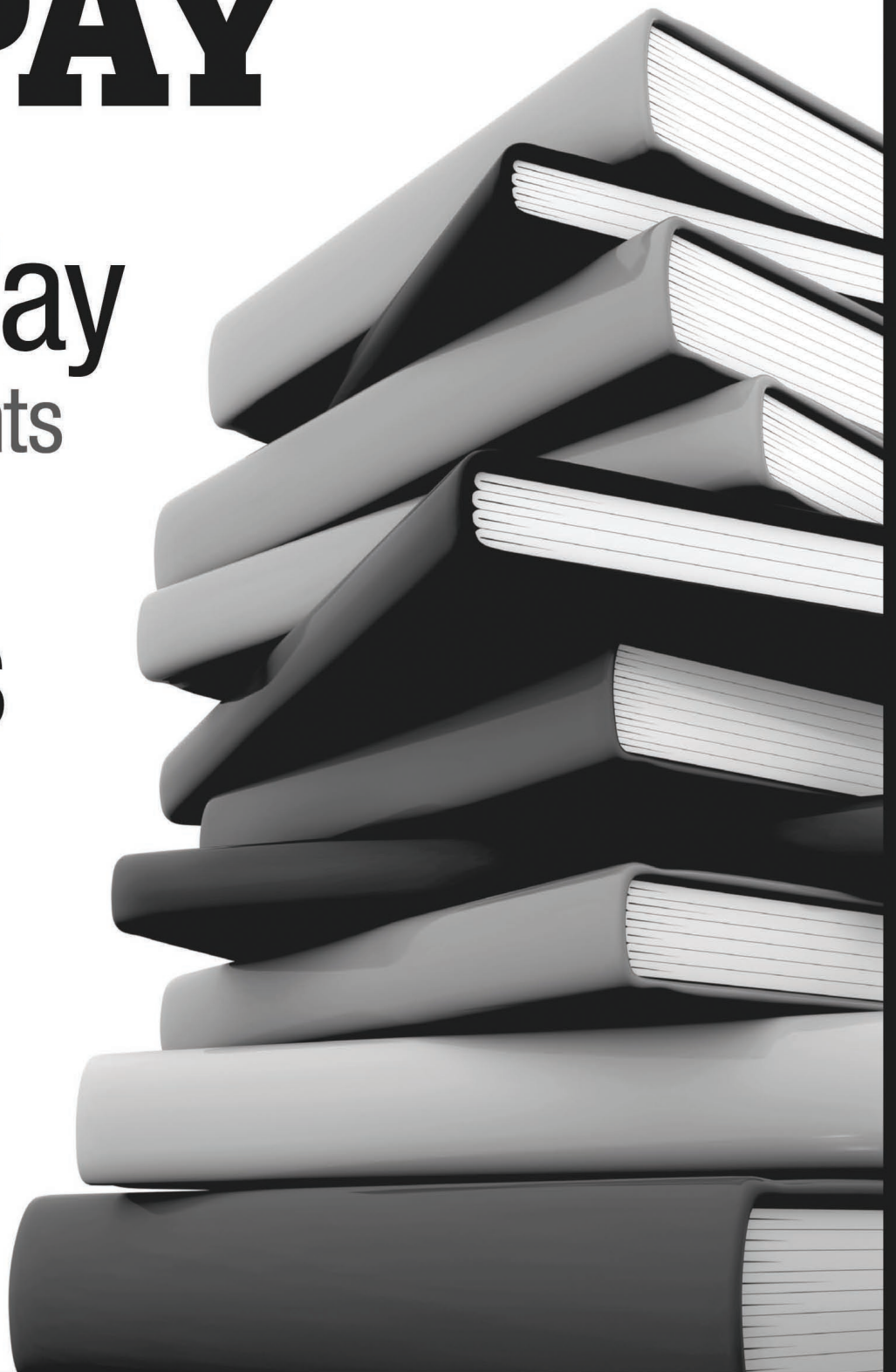
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Lady Orediggers crush Western State

ALL PHOTOS STEVEN WOOLDRIDGE / OREDIGGER



Anna Padget-Shields (#2), Holly Hutchison (#7), and Amanda Massey (#10) restrict Western's view during a serve.



Holly Hutchison (#7) spikes the ball in the first set from Saturday night's game versus Western State.



Anna Padget-Shields (#2) comes up for a spike. Mines won in three sets, 3-0.



Jackie Stabell (#9) and Melanie Wannamaker (#11) block a Western spike.

Men's soccer destroys Mesa State, 5-1

ALL PHOTOS NICK MATTHEWS / OREDIGGER



Mines scores while a confused Mesa Sate goalie looks on.



Tesho Akindele (#10) fights his way through two Mesa State defenders.

ATHLETE OF THE WEEK

... MANVILLE STRAND, SOPHOMORE: SOCCER TEAM

Trevor Crane
Content Manager

Two years ago, the name Manville Strand was not heard among the Mines Men's Soccer team. No one recruited him, no one gave him a scholarship, and he was not even on the team. But, after joining the team as a freshman walk-on, this Oredigger goalkeeper quickly rose from anonymity to become the RMAC 2009 Freshman of the year.

Now, in his second year as an Oredigger, Strand has not lost a beat, allowing only one goal in four games and racking up 7 saves. He has played over 340 minutes and garnered a 0.26 goals against average and a 0.875 save percentage.

Earlier this month, Strand was named the RMAC defensive player of the week. The civil engineering major is now helping to lead a dangerous Mines team that is ranked third in the nation and has already defeated #1 Fort Lewis 1-0. For his effort and performances so far, Manville Strand is this week's Oredigger Athlete of the Week.

Oredigger: How/When did you start playing soccer?

Strand: I started when I was about 12 years old. My friend just asked if I wanted to tryout.

Why did you choose to come to Mines?

It's a great engineering school and has a lot of opportunities that comes with it

Favorite part about being a student athlete?

Just always being on your toes to keep yourself motivated in every way possible

Least favorite part about being a student athlete?

You really don't have the chance to join clubs and do certain activities during season while we travel.

Favorite or least favorite part about Mines?

Favorite: Location, location, location. (Strand's hometown is Las Vegas, NV)

Least favorite would be that studies take up a lot of your time when you can be having fun doing something else.

Who is your favorite teacher at Mines?

[Prof.] Dennis Ott (Adjunct Faculty, Math and Computer Sciences).

What are some goals the Men's Soccer team has for this season?

Well, as always, every year we want to go undefeated, win the RMAC conference, and then nationals to finally be number one in the nation!

What will be some of your toughest games this season?

Fort Lewis is always a tough match but no matter what, the next game on the list is always considered the hardest game.

What has been your best soccer memory?

Winning the Nevada State Cup my junior year and then getting to go to Hawaii for regionals and just messing around.

CSM runs away from NMHU 49-21

Trevor Crane
Content Manager

The Colorado School of Mines overcame a slow first quarter of mistakes to take care of the New Mexico Highlands University Cowboys 49-21 Saturday afternoon at Perkins Stadium in Las Vegas, NM.

The win sends the Orediggers to 2-1 overall, 1-0 RMAC as the offensive explosion continued for Quarterback Clay Garcia and company.

It has been two full weeks since Mines has last played a game, and it showed during the first 12 minutes of play. The Orediggers fumbled the ball on their first two drives of the game, setting up the Cowboys with excellent field position, and surrendered a safety early on. But NMHU failed to capitalize, only scoring 6 points on the two turnovers, and CSM's Blaine Sumner scored with 30 seconds left in the first quarter to put Mines ahead 7-6 heading into the second quarter.

As seems to be the pattern thus far in the season, the Oredigger defense continued to bend, but not break. NMHU had consecutive red zone possessions, but only came away with a total of six points. And as the second quarter continued, the defense kept New Mexico at bay, holding the Cowboy offense scoreless for the remainder of the half.

On the offensive side, Mines began to regain its rhythm with two substantial drives in the second

quarter. With four minutes remaining in the half, CSM drove down to the New Mexico 10, but stalled when the Orediggers nearly gave up their third fumble of the game and settled for a Paul McVay field goal. One defensive stand later and Mines was once again driving. This time it ended in a 13 yard touchdown reception by wide out Tom Kastens. The score put CSM up 17-8 and the Orediggers never looked back.

To begin the second half, the Cowboys responded with a kick return touchdown by Kevon Williams, and closed the gap to 17-15. But that was as close as they got. The CSM offense proceeded to score 22 straight points to put the game away.

The Colorado School of Mines defense and special teams continued to shine on Saturday. With two blocked kicks against New Mexico Highlands, the Orediggers have now blocked a total of three field goals in their past two games, all coming at critical times in the ball games.

Sophomore Ryan Wood collected his second career interception against the Cowboys. His catch,

late in the third quarter off quarterback Robbie Armijo, halted the New Mexico drive that could have pulled the Cowboys within 2 points. The interception set up the Orediggers with excellent field position and was a pivotal play in allowing the Orediggers to pull away.

Garcia continued his airborne success by completing 29 of 46 for 345 yards and two touchdowns. Jerrod Doucet and Tom Kastens both had strong games with 168

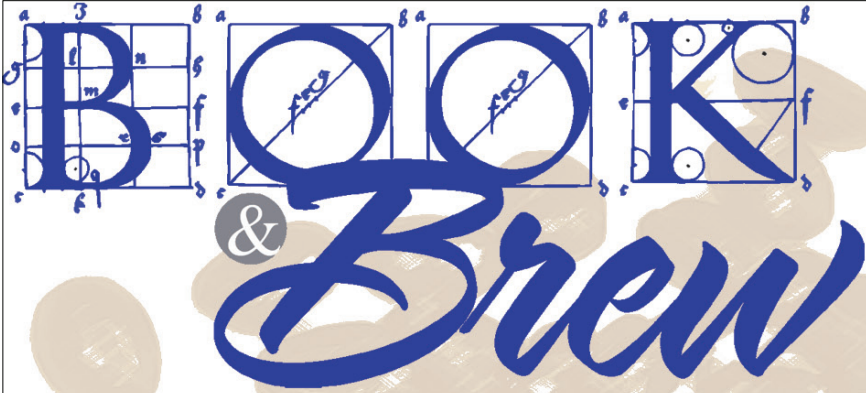
With two more blocked kicks against New Mexico Highlands, the Orediggers have now blocked a total of three field goals in their past two games, all coming at critical times in the ball games.

and 112 receiving yards respectively. Red shirt freshman Trevor Florendo led the ground attack with 15 rushes for 85 yards.

The loss sends New Mexico Highlands to its third straight loss. The Cowboys haven't seen success against the Orediggers since 2006.

Mines exploded for 49 points Saturday. In addition to the 52 points they tallied last game against their fellow engineers from South Dakota Mines, CSM has now scored 101 point in their last two games.

Mines continues RMAC play next week when they host Western New Mexico at Brooks Field Sept. 25, 12:00 PM.



at Arthur Lakes Library



...Get Your Coffee On

Do you work on Campus on Saturdays?

You can now get your AFPP (Afternoon Face Plant Prevention) at the Book & Brew

PROUDLY SERVING ALLEGRO COFFEE & TEA

ORGANIC ESPRESSO DRINKS

HORMONE - FREE MILK

Bus stop hot spots

Beer Review: Golden City Cuvée Imperial Stout

Nick Matthews
Staff Writer

As the year continues, some of us are getting tired of going to the same old places time and time again. So why not bring out the RTD bus passes that Mines students all get for free. This week, there are four more locations to find some entertainment.

Hit up the Butterfly Pavilion
Looking for an outdoor experience indoors? Are you intrigued by creepy-crawlers, but prefer to have glass between you and them? Then your destination might just be the Butterfly Pavilion - a non-profit invertebrate zoo. You can walk through the garden to see over 1200 free flying butterflies. After you've got your fill of flapping, you can head on over to the water's edge to touch a sea star and check out a few other oceanic creatures. Finally, you can wrap up your adventure at the "Crawl-a-See-Ern" where you can see some even creepier crawlies than ever and perhaps even hold Rosie the Tarantula, if you are lucky. The pavilion is open year-round.

Play at Dave and Busters
Grab your friends (or at least the ones with free bus passes) and head on over to D&B's for some grub, drinks, and healthy competition. Let your inner child lose in the arcade, challenge your friend to skee ball, or even "bet" on a horse derby. Not into arcade games? No

worries - play some shuffle board and then finish up the evening of fun with a relaxing game of pool. D&B is open 7 days a week and is always changing up their promotions to keep it fresh and to keep you coming back.

Take in the Denver Art Museum
There is something for every interest at this museum, which features art from all over the world. Exhibits change frequently, but the current 'must-see' exhibit is "Tutankhamen: The Golden King & the Great Pharaohs." Check out www.denverartmuseum.org to find the latest tour information and exhibits that the museum is offering.

Play in the [City] Park
Are you sick of studying in the library? Trying to keep the "Freshman 15" at bay? Need a unique date idea? City park has just what you need for all of these issues and even more. Find a peaceful spot to read beneath one of the many trees in this 320 acre park. Or perhaps you would like to watch the ducks play in Duck Lake. You can always take a study break and walk through one of the many flower gardens to clear your mind or check out the historic buildings located throughout the park. If being active sounds better, bring along a friend and play some catch, fly a kite, or swing at the playground. Make a day date and rent a paddle boat from the boathouse. No matter what your mood is, City Park has everything you need.

Candy Claws: forest-inspired dream-pop

Tim Weilert
Something Like Sound Blogger

Somewhere between shoe-gaze and surf sits Candy Claws, a Fort Collins dream-pop band that has garnered national attention with their recent summer tour and newest record Hidden Lands.

Similar to the group's previous record "In the Dream of the Sea Life", the new disc was inspired, in part, by a book: Richard M. Ketchum's "The Secret Life of the Forest." I used the phrase "in part," because the band's own personal experiences living on the cusp of the Rocky Mountains also had a role to play in inspiring a record full of nature-inspired ambient dreamscapes and ethereal melody.

Hidden Lands is one of those records that can be approached in two ways: active listening or passive enjoyment. Even after listening to this album 10 or 11 times each experience has been different. Initially it was all fresh; previously unknown sounds floated through the room. Upon repeat listening, I became cognizant of the whispery lyrics and finer details.

A certain ebb and flow winds its way through the songs; some are long, slow considerations of the earth's

evolution ("In the Deep Time") while others pulse with the life of natural things such as sunlight or trees ("Sunbeam Show" and several others).

In the end, there are certain tracks that stand out for one reason or another. "Sunbeam Show" has its majestic chorus theme and "The Breathing Fire" has spacey synth and surf beats that sound a bit like The X-Files meets the Beach Boys' Pet Sounds. "Sun Arrow" rounds out my shortlist of best tracks on Hidden Lands because it has a great part where plucked strings transition into fuzzed out guitar.

Hidden Lands is available digitally via iTunes and Amazon and physically (as a CD or LP) at twosyllablerecords.com or at Twist & Shout (2508 E. Colfax).

For more Candy Claws (including photos, an interview, and downloads) visit <http://www.mine-sblog.com/music/tag/candy-claws>

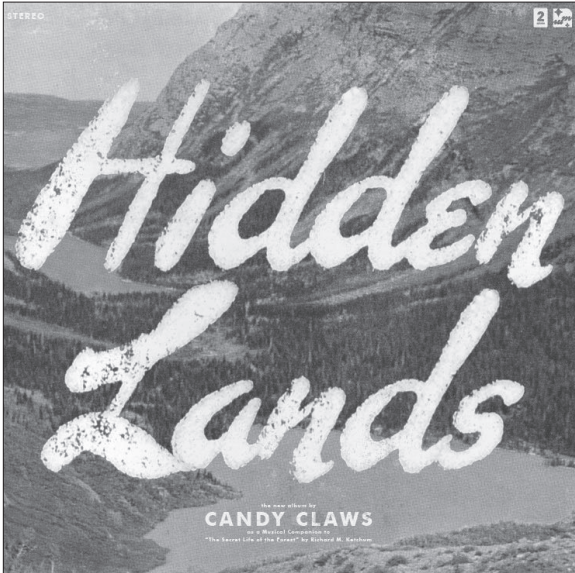


PHOTO COURTESY TWOSYLLABLE RECORDS

Bryant Pocock
Staff Writer

Stout was first brewed during the Industrial Revolution in England and Ireland as a high-alcohol variety of porter. Guinness dominates the scene today, but more and more craft breweries are creating their own take on this black and potent brew.

Imperial stout, so called because it was a favorite of the Russian czars, is an even more alcoholic version and in many ways can be called a barleywine. Notable examples include Gonzo from Flying Dog and Ten FIDY from Oskar Blues.

With an opaque black color and creamy brown foam, Golden City's Cuvée Imperial Stout looks

like a strong shot of espresso, and at 9% alcohol, it is no less potent. An 8-ounce glass will set you back \$5, or you can opt for a smaller glass as part of the \$7 sampler plate. Cuvée is set apart from other imperial stouts by aging it in old oak whiskey barrels for nine months. This really shines through with a pungent whiskey scent along with traces of oats and raspberry.

The flavor is similarly dominated by whiskey, with hints of vanilla and cherry. Other barrel-aged barleywines such as Palo Santo Marón from Dogfish Head also exhibit similar fruit and spice notes. Also present are a tannin bitterness from the oak reminiscent of dry red wine and taste of dark baker's chocolate from the roasted malt.

It is not overly sweet, but with all the complex flavors present it cannot be called well-balanced either. Hop bitterness is slight, but noticeable, while oats add smoothness and body.

A unique and special beer, Cuvée is worth a try if you already like stouts, strong beers, barleywines, or barrel-aged beer; or if you're simply feeling adventurous. It is not something I would drink every day, but rather save for special occasions. I have had better imperial stouts and better wood-aged beer, but never in this unique combination. I give it an A- overall: not the best, but darn good.

Historical information from "The Brewmaster's Bible" by Stephen N. Snyder. Published by HarperCollins, 1997, New York.

Guacamole made simple

It's so easy a Mines student could make it

Nick Matthews
Staff Writer

It's that time of year again... The nights are getting colder, the days are getting shorter and football is back in action! With school back in session, everyone needs to take a little time to veg out every once in a while. Whether it's to watch your pro team of choice or to catch the latest episode of "Sons of Anarchy", this recipe will soon become a staple for your television-viewing and studying needs.

Ingredients:
3 large ripe avocados – ripe when soft
1 large tomato – diced
3 minced jalapeños (optional)
1 teaspoon seasoned salt
1 teaspoon lime juice

Recipe:
1. Cut avocados in half lengthwise,

cutting around the pit. Using a spoon to scoop out the avocado flesh into a medium sized bowl.

2. Mash the avocados to desired consistency with a fork.

3. Mix in salt and lime juice; add more lime juice and salt to desired taste.

4. Add tomatoes and jalapeños.

NICK MATTHEWS / OREDIGGER



Papa Murphy's delivers pizza and support for those in need

Stephen Hejudcek
Staff Writer

Papa Murphy's is sponsoring a service event on October 1 called "Pizza for Parkinsons." Manager Jamie Fanchez believes in supporting those in need. "Give just to give, if you have so much [to give], why not [give]." From when the restaurant opens that morning to when it closes in the evening, Papa Murphy's will be donating all of their sales that day to charity.

During the month of October, as an added incentive, Papa Murphy's has specially priced pizza to save a little on your wallet while doing a good deed. Normally the large pizzas are \$8.99, but during October,

these 14" pizzas are now priced at \$6.99. The \$6.99 pizza deal is for any cheese pizza or pizza with one or even two toppings.

Never been to Papa Murphy's? That's fine because they have many selections and many different options when it comes to pizza. You can choose one of their four signature pizzas like the Cowboy or Hawaiian, stuffed pizzas which are like Chicago style pizza pies, and if none of those options seem satisfying, they have a simple four step program to design your own pizza with almost 25 toppings to choose from. Papa Murphy's has even been rated the "Best Pizza Chain in North America" by Restaurants and Institutions magazine for seven

years in a row. Papa Murphy's has earned their reputation from amazing "Take N' Bake" pizza that they make right in front of your eyes. So if you do not want to eat the pizza at the store, you can take it home and bake it however you want it.

When it comes to being able to provide service to the community, Papa Murphy's has always excelled. Papa Murphy's strives to provide money and aid to their community as often as possible through sales or other fundraisers. Papa Murphy's selects which organizations to support through suggestions from customers. So if you are feeling charitable on October 1 and you want to taste amazing pizza at an affordable price, Papa Murphy's delivers both.

Golden Bowl offers classic, budget-friendly entertainment

Deborah Good
Staff Writer

Bowling may not be associated with fun in the mind of the average college student, but perhaps it should be at the Colorado School of Mines. Mines students are lucky enough to be situated only a mile away from Golden Bowl, a classic bowling alley located at 525 24th Street.

Golden Bowl, founded in 1952 (as reflected by the historic exterior signs), was fully renovated four years ago by then-owner and Chinese immigrant Thomas Yang. Mr. Yang also added a full Chinese restaurant to the facility. In 2009, he sold Golden Bowl to Mike and Cindy Keily, who both have extensive experience with amateur and professional bowling. They converted the Chinese restaurant into a diner serving American, Italian and even a little Mexican food and renamed it Rose's Diner, in honor of a deceased relative. In addition

to the restaurant, Golden Bowl has a snack bar and a tavern in the bowling area as well. As a testament to its bowling facilities, next

Fortunately for the cost-conscious among us, the Golden Bowl is affordable. Prices range from \$0.50 to \$3.50 for a game (\$7.00 to \$12 for a pass) and from free to \$2.75 for shoes depending upon the day of the week, time of day, and exact offer used. Probably the best combined deal occurs Monday and Wednesday from 9 PM until 12 AM when bowling is \$1 per game and shoe rental is \$1 as well. Entrées at Rose's Diner are reasonable as well, ranging from \$3.25 for just a hamburger to \$14.00 for a 12-inch pizza. Appetizers range from \$2.00 for a pretzel to \$7.00 for a variety basket of munchies. I tried a 7-inch pizza and it was excellent, with a very homemade taste.

Of course, one could not spotlight a bowling alley without actually playing a game. I proudly bowled about a 35. Not surprisingly, I lost to my compatriot. More surprisingly, he only bowled a 50! We enjoyed ourselves immensely, proving anyone can have fun at timeless Golden Bowl, regardless of bowling talent.



DEBORAH GOOD / OREGIGGER

month Golden Bowl will be hosting the Professional Bowler's Association's Southwest Region Golden Bowl Challenge.

AutoVaughn's new album begs to be heard

Brian Lindstadt
Staff Writer

AutoVaughn officially released its Science of Our Time album on September 14. Science of Our Time is an album that demands to be played. It tells a story while inspiring its audience. Their genre is future rock where soft rock meets instrumental meets auxiliary percussion. Guitar riffs accompany harmonious singing and groovy bass lines. Every song was produced well and singing their anthems is a blast. This album should be played from start to finish without skipping a song. Go out and purchase Science of our Time, your ears will thank you.

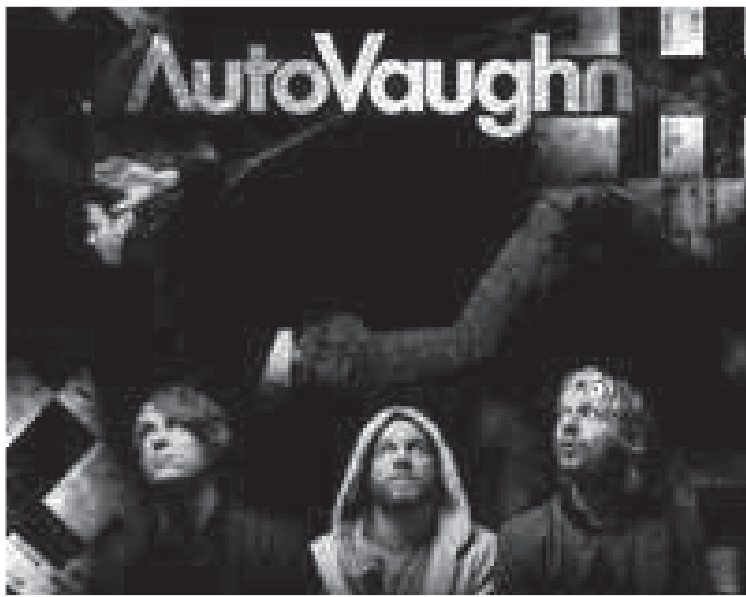


PHOTO COURTESY AUTOVAUGHN

Requiem for a Dream leaves a lasting impression

Brian Lindstadt
Staff Writer

Requiem is an older film, released in 2000, but is more than worth a review. It is one of the most powerful and life changing films ever made. But be warned, for it is not for the faint of heart due to its graphic nature. The emotions this movie causes are scary, sad, and revealing. It is a movie that, after watching, you will want people you care about to see, especially those that are our age. The systematic filming and the emotional

soundtrack correlate perfectly with the habitual nature of addiction and make the underlying message of Requiem for a Dream scarily evident. When watching this movie, approach it with an open mind and be prepared to think long and hard. It is a beautiful film but can leave a devastating impact.



PHOTO COURTESY REQUIEM FOR A DREAM

Resident Evil: Afterlife

A lot of nothing can be fun

Stephen Hejducek
Staff Writer

Gore and outrageous action scenes flood every nook of the new Resident Evil movie. Dubbed "Afterlife," the movie picks up right after Alice left Nevada in the previous movie, "Resident Evil: Extinction." Assisted by Claire and Chris Redfield, Alice searches for Arcadia, a place where the infection is rumored to not exist.

Though any true fan of the "Resident Evil" franchise will enjoy this movie, anyone else will shrug their shoulders as they try to understand who certain key characters are. To say the least, if you have not seen any of the other three movies, especially "Resident Evil: Extinction", do not see this movie. Featuring characters from the video game Resident Evil 5, the movie begins and ends many stories in the short one hour and thirty minute movie length.

Although the movie is fun and

enjoyable to watch, by the end of the movie one may ask themselves, "What just happened?" At the end of the movie, the fact is this: nothing happens. It does answer a few questions here and there, but most of that information can be obtained from any spoiler on the Internet. By the end of the movie, it is apparent that there are sure to be at least two more "Resident Evil" movies to be released to the public, dependant on if this current "Resident Evil" movie makes enough money in the box-offices to move those films to the big screen. If previous numbers mean anything, this movie is predicted to gross about fifty million dollars, but if this number is not reached the chances of future movies become slim.

So if you want some fun at the movies on a weekend and are not worried about the cost of a movie ticket, go see "Resident Evil: Afterlife." Just remember, if a movie is fun to watch, it does not mean that it is a good movie.

The right CD to have

John Bristow
Staff Writer

At first listen, "The Right Place To Be EP" by Adventure Galley is surprisingly professional for a debut album of a relatively unknown band. After a few listens it is not surprising that Adventure Galley won the recent Toyota Music Rock The Space 2 contest. The album begins with a soulful prelude that sets the scene for the rest of the album; of course everything only gets better from here. This leads right into "Knife In The Sail," a song that is sure to find you tapping your foot along with the jazzy beat. As you fall deeper into the CD, you will find yourself in amazement that such a great debut album is even possible.

The focus of the album is the fourth track, "Addict." This song was the song that was featured in the contest, and having been the best of several thousand submissions, it is clear that if you listen to anything, listen to this song. Personally, I have

played this song for friends and had them guess the band. Most think it is a lost Killers masterpiece and are delightfully shocked to know they are listening to something that is new.

All in all, the album is the best debut album I have ever heard. While some of the timing can be off in locations, and some musical transitions are a bit contrived, after a few listens these become part of the character of the album and serve as a reminder that all bands start off in a similar manner. For the time being, the album has not received a large release, but by searching Adventure Galley on MySpace, you can listen to some of the songs and, at least for the present, you can purchase the album for the amazing price of \$1.00. Hopefully Adventure Galley can rise above their roots with their new recording contract with MySpace Music, and if everything goes right, I hope to be hearing their gritty, Killers-esque style for many years to come. If not there will always be this great EP.



PHOTO COURTESY ADVENTURE GALLEY



Minds at Mines

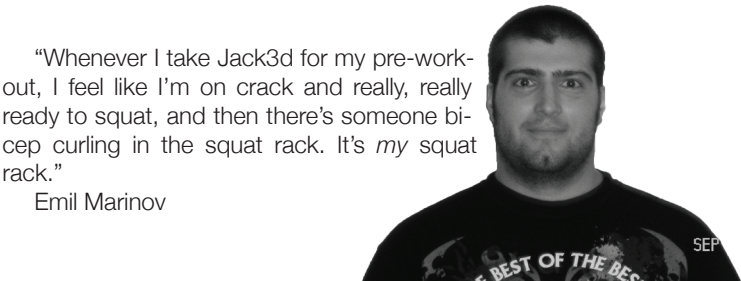
Pet Peeves

Brian Wallace Lindsadt
Staff Writer

While sitting in Slate thinking about what question I wanted to ask people, someone really irritated me. My blood was pumping and after analyzing the situation, it dawned on me. I wanted to know what grinds peoples' gears. Everyone has something that ticks them off. Whether it is road rage from the grandpa driving the Buick or Betas in the gym, there is something that ticks off everyone. So I ask, what grinds your gears?



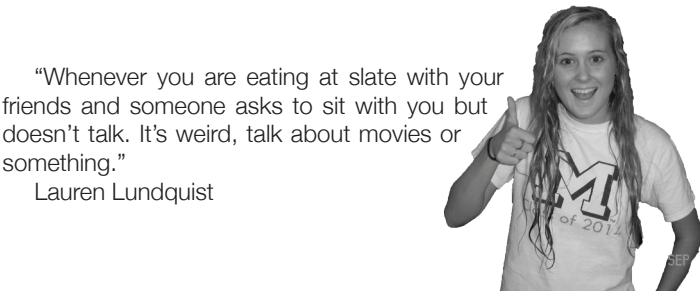
"Colorado drivers cannot drive. People almost hit the front of my car when they switch lanes and the speed limit is too low."
Kjirsten Olson



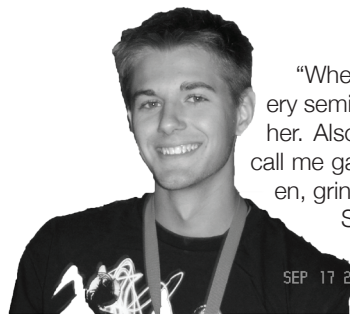
"Whenever I take Jack3d for my pre-work-out, I feel like I'm on crack and really, really ready to squat, and then there's someone bicep curling in the squat rack. It's *my* squat rack."
Emil Marinov



"The outhouses by the construction zone on the way to Weaver smell like crap."
Chris Sanford



"Whenever you are eating at slate with your friends and someone asks to sit with you but doesn't talk. It's weird, talk about movies or something."
Lauren Lundquist



"When math teachers make 15 mistakes every seminar; it is like the class is fighting against her. Also, when two dudes approach me and call me gay and then ask how I get all the women, grinds my gears."
Sam "the man" Egelhoff



Morals to your story

Shira Richman
Ethics Columnist

Dilemma:

My friend continuously talks to me about problems with her mom. My mom died of cancer when I was younger and it makes me very uncomfortable to hear her complain about her mother. Should I continue listening to her talk about her issues while putting myself through stress or tell her to talk to someone else about it?
--Listener Under Stress

Responses:

Although I cannot relate directly to your situation, I have a friend who died of cancer a few years ago, and I understand that it is hard to hear someone complain about a person in his or her life who reminds you of someone you lost in yours. In my opinion, you should explain your feelings to your friend. Be honest and open about it; tell your friend that even though you want to help her with her problems, it makes you uncomfortable in this situation because you cannot relate to her and even possibly envy her for the relationship she has with her mom. If you are honest and make your friend understand your side of the story, chances are she will realize that she should talk to someone else about her problems with her mom without you even having to ask.
--Empathizer

I think the reasonable thing to do is to inform your friend that you lost your mother. As a result, your friend may come to appreciate her mother more and you will feel less awkward when the topic is brought up. In a utilitarian sense, this would maximize happiness by relieving your stress and helping your friend realize how fortunate she is to have her mother in her life.
--Andrew Pierce

I feel that the best thing to do in your situation would be to tell your friend that listening to her complain about her mother is stressful to you. This would be the right thing to do for two reasons. First of all, it's not fair to you to be getting stressed every time you talk to your friend. Secondly, it isn't honest to pretend like everything is okay when it isn't. Both of these reasons can be viewed from two different ethical views.

The first reason, that it's not fair to you to listen to your friend complain about her mom, aligns with utilitarianism in a minimal form. This is because you are decreasing your happiness by not saying anything, and if you say something to your friend about how you are affected by having lost your mom, your happiness will likely increase. Additionally, your friend's happiness could increase if she understands you better and feels like you trust her enough to confide in her.

The second reason, that it's not honest to pretend you're fine when you aren't, represents a value of Kantian ethics. This is because honesty is of supreme importance in Kantian ethics, and by not telling your friend how you feel, you are, in essence, lying to her. The best thing to do is to tell your friend how you feel. This is the morally right thing to do by both utilitarian and Kantian ethical views.

--Nathan Fisk

New exam policies disgruntling

POed Mines Student

Hey everybody, back for more, I see? Last semester I took PHGN100. It is a hard class, but not impossible. CAPA hurt, but in the end the exams hurt more. The week after the third exam, a cheating ring was discovered in Physics 1 involving several students with some estimates as high as 40 total involved. When this was announced in class, I was like, whatever, those people will eventually fail so throw them out. I thought this wouldn't affect me. Then, our lovely Physics department heads decided to jack up the lives of every single student on campus by placing all these new restrictions on what you're allowed to do in the exam rooms themselves.

Because of this cheating ring, you are no longer allowed to have a watch, even an analog one, in the exam room with you. Apparently, resourceful Mines students have figured out how to cheat using an analog watch attached to their wrist in plain sight of every single person in the room. Wow, we really are smart. Now, not being allowed to keep your phone with you is one thing, but saying you can't use your 5-year-old TI-30XA calculator? Come on, that's less advanced than the calculators provided. Perhaps the funniest thing that happened to me personally was when I took the final. I walked up to the front of the exam room and asked if I needed to

turn in my car keys. I was thinking that they would just say no, you can keep those, no big deal. Silly me. Yeah, you have to check your car keys; those are very suspicious, I'm pretty sure you could figure out how to cheat with just a set of keys.

Now, this is not to say that precautions shouldn't be taken to eliminate cheating, but it gets to the point of just being absurd. I realize that cheating is a big problem, but telling people they can't have their wrist-watch because they can use it to cheat is ridiculous.

The worst part, however, is not that I couldn't use my favorite old calculator that I know better than the back of my hand. What bothered me the most is that instead of just making sure you couldn't cheat, they made the exam so much more difficult than the midterms that it didn't matter if you had cheated and gotten 90's before, it would sink your grade so far that you would be in the same position anyway. Many of my upper-classmen friends last year had said that the final was much easier than the midterms, so much so that one friend raised their overall grade from a B to an A with just the final. Needless to say, I was excited by this, because I really wanted to keep my B, and I thought that maybe I could

do that now. Thanks to those stupid cheaters and our wonderful Physics 1 professors, I ended up with a C overall because I had to guess on 8 out of 30 problems. I've never seen an exam that difficult in my life, it was five times as difficult as the first Physics 2 exam!

Now, this is not to say that precautions shouldn't be taken to eliminate cheating, but it gets to the point of just being absurd.

I would like to send a message to the students that were involved in the cheating ring in Physics 1 last semester: I hope you get caught and thrown out of this school, and never allowed to return. Some of us work really hard to get the grades we deserve.

If you're smart enough to organize a 40-person cheating ring or program your wrist watch with answers, you should not be cheating on a test to begin with. Thanks for listening, and until next time, this has been your friendly neighborhood POed Mines student.

Editorials Policy

The Oredigger is a designated public forum. Editors have the authority to make all content decisions without censorship or advance approval and may edit submitted pieces for length so long as the original meaning of the piece is unchanged. Opinions contained within the Opinion Section do not necessarily reflect those of Colorado School of Mines or The Oredigger. The Oredigger does not accept submissions without identification and will consider all requests for anonymity in publication on a case-by-case basis. Submissions less than 300 words will receive preference.

What's the difference?

Ryan Browne
Editor-in-Chief

From Friday September 10 to Saturday September 11, I had the privilege of attending a wonderful retreat put on by the Associated Students of the Colorado School of Mines (ASCSM). We drove to beautiful Breckenridge, Colorado, spending almost 24 hours framing the direction for ASCSM this year. This retreat was meant to serve as a team-building and planning opportunity, a purpose that I believe it served admirably. The concerning piece of this trip is that it was funded entirely by a school fee.

I should mention that I am a voting member of the ASCSM Senate, hence my attendance at this retreat, so I, too, should take to heart the criticisms that follow.

Every student pays \$83.70 each semester for the Associated Students Fee. The ASCSM Budget Committee distributes the money from this fee each year. Approximately \$700,000 is parceled

out amongst the nearly 150 different clubs on campus. The actual allocations are posted outside the ASCSM office, in the back of the Student Activities office, if you are curious.

The allocations process is a source of heartache for as many as 500 students each semester, as they try to secure funding for their club's myriad activities. There are many complaints that can be and are leveled at the budget allocation process. I would rather leave those for another time and instead aim my criticism at ASCSM as a whole.

My concern is that ASCSM takes the stance that the money gathered through the Associated Students fee belongs to ASCSM. ASCSM does distribute all but perhaps \$32,000 to the other clubs on campus, but the rules that govern club usage of money do not seem to apply to ASCSM.

In an effort to remove the veil from the budget allocation process, the ASCSM Budget Com-

mittee did try to codify the circumstances under which they would fund organizations. This spring, the rules were that ASCSM would pay for half of all conference and competition costs. Food costs would only be funded if the food was provided at a well-publicized event open to the entire campus. Those two rules constituted most of the funding cuts that ASCSM issued last year.

What qualifies as a conference, then? Could we not count the ASCSM retreat as a conference? We traveled somewhere to listen to people talk and make sure that we were working towards the long-term aims of the organization. Sure, we did not have the chance to meet with others interested in our area of work, but does that additional experience really warrant a budget cut?

What about the food purchased during this retreat? The retreat was not open to all of campus. Granted, ASCSM did add a retreat exemption to their food

dictate. The exemption was used to the benefit of one club and ASCSM, if memory serves. Others called their event a "club meeting" instead of a "leadership bonding experience" and had that funding cut entirely.

On the topic of free food, each class generally puts on one or two free food events each year. These events are not open to all of campus, 1/4 at best, and some are not well publicized. Yet they are funded without a second thought.

ASCSM gave itself money to subsidize the purchase of Stetsons by the Senior Class. All the other organizations on campus would be told that purchases must stay with the club; money cannot be used for personal purchases. Yes, Senior Stetson is a tradition, one in which I intend to partake; does that make it different? If the Judo Club established a tradition such as this, should they also be funded?

Another idea that has been broached which bothers me is to

provide T-shirts for all of the current Senate and Executive Council members, free of charge. Many club presidents and treasurers may recognize this as something that they were expressly forbidden to do. It is my understanding that the rule regarding T-shirts is not actually an ASCSM rule, but a rule put in place by some other part of the school administration. However, if ASCSM is able to get around this rule, will they be assisting all the clubs in the same end-run?

The question to which all of these concerns naturally lead is "What makes ASCSM different?" What is the difference between all students in congress and some students in congress? This is a question that ASCSM should ask itself, but every student should ask themselves the same question. How do we logically continue subsidizing great traditions such as Senior Stetson, while still supporting and encouraging the clubs that help to make the school great?

Fool's Gold

Get ready for career day!



Residence hive progressing well

Janeen Neri
Architect

Mines officially announced the completion of Phase I of the new "residence hive" last Friday. The futuristic living structure will be conveniently located between Green Center and the CTLM and is expected to drastically increase the number of students that can live on-campus. In addition, since it will be encased in thick concrete and housed underground, the earth will provide natural insulation to the living units inside, reducing the need for heating and cooling systems. Project leaders hope the structure will serve as a symbol of the Colorado School of Mines's commitment to innovation and conservation.

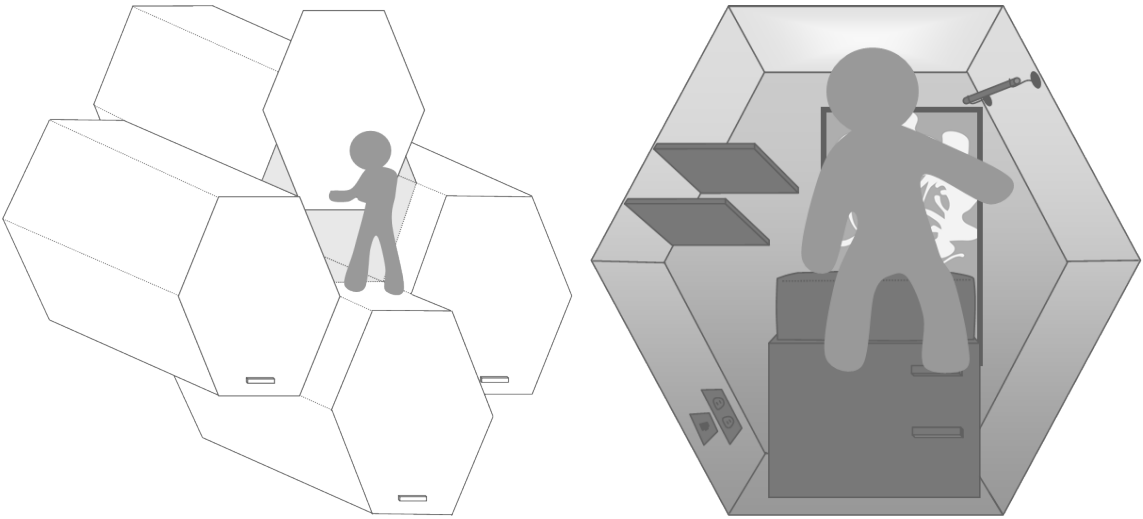
Beyond that, as hive project

head Brian Govern said, "It'll also look really, really awesome." The design of the residence hive is a fusion of actual beehives and the capsule hotels popular in Japan. The hive will feature over 900 hexagonal sleeping units, or "cells." Each cell will contain a bed, embedded light, wired internet access, an assortment of accessories such as shelves, and will have an 8-foot ceiling.

The pit containing the living units will plunge about 100 feet into the ground, allowing students quick access to basement floor of Chauvenet Hall. The sleeping units will line the walls of the pit, with catwalks to a large central hub containing bathrooms, laundry areas, greenhouses, and a playground. The playground will also provide quick access to the lower areas of

the hive via a large spiral slide.

Cells in the hive will be offered to students at a monthly rate of \$400 – plus a mandatory meal plan – with up to two residents allowed per cell. In an uncharacteristic move, upperclassmen will be allowed priority over freshmen. The waiting list has already been started, though Govern cautioned that the project may go past its expected completion date due to the custom solar panels that will be mounted on the hub. "To put it bluntly," Govern said, "we require more minerals before we can go forward with the panels. But hey, that's the price we pay for cutting-edge design – and to think we were originally planning to put a boring old petroleum engineering building there! Good thing our reputation for innovation is more than just talk."



ALL IMAGES JANEEN NERI / OREDIGGER

Sudoku

		8			4		1	9
7			6					2
4		1		5				
3	8			4		2	6	
	1	4		2			3	
		2	8	7		4		
5								3
			3			9		
	7			6	2			

Solution

4	5	1	2	9	6	3	7	8
7	2	6	5	8	3	9	4	1
3	8	9	7	1	4	6	2	5
1	9	4	3	7	8	2	5	6
8	3	7	6	2	5	4	1	9
5	9	2	9	4	1	7	8	3
6	7	3	8	5	2	1	9	4
2	4	8	1	9	6	5	3	7
9	1	5	4	3	7	8	6	2



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